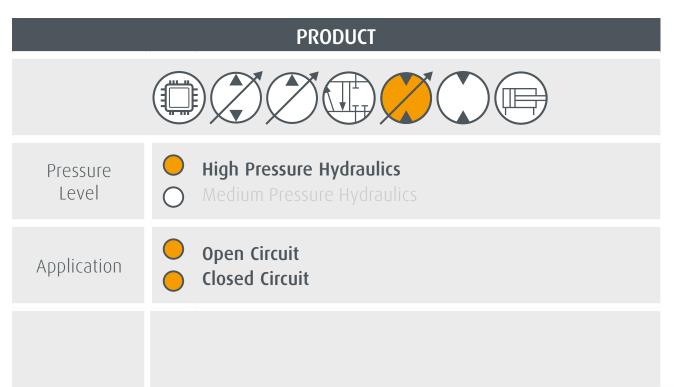
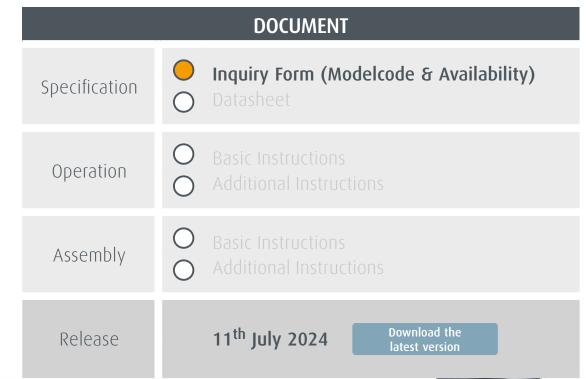


**CMV.**Variable Displacement Motor.
Bent Axis Design.











#### Configuration | Modelcode & Availability | **Type**



Item	Feature			
01.	Туре			
	Characteri	stic		
	Туре			
CMV	CMV		Bent Axis Design Variable Displacement Motor Open & Closed Circuit Operation	

Symbol	•	•	0
Availability	✓	✓	Upon request
Preference	Option with a tendency towards higher & more rapid availability		



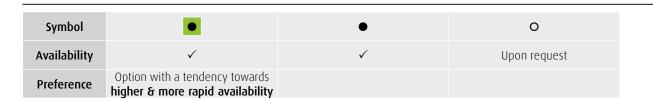
### CONFIGURATION Modelcode & Availability

Your choice & Inquiry

#### Configuration | Modelcode & Availability | **Nominal Size**

O2.  MODELCODE ITEM	Nominal Size		
---------------------	--------------	--	--

Item	Feature																																																				
02.	Nominal siz	e																																																			
	Characteris	stic																																			N	0	m	ir	na	۱ :	SİZ	e				SĮ	ρe	ec.	•		
	Nominal size	Maximum displacement range [cc/rev]																																			070	000	000	080	115	_	140	170	0/-	715	1						
060	60	62																																				•															
085	85	87.7																																																			
115	115	115.3																																							•	•											
140	140	144.1																																									•										
170	170	170																																											•								
215	215	217.9																																												•	)						

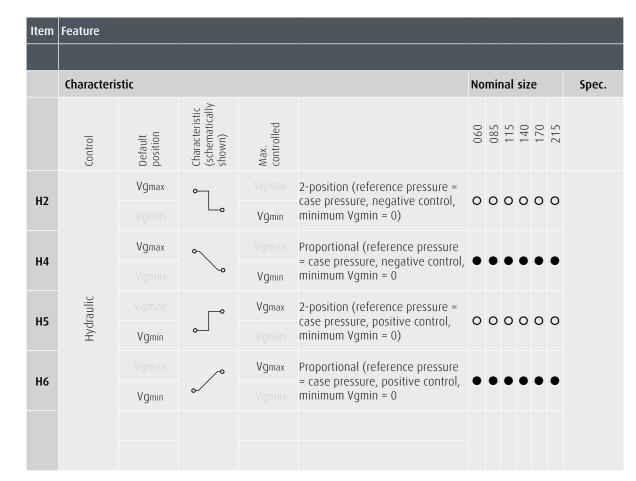




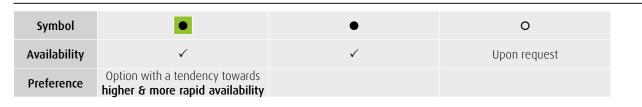
### Configuration | Modelcode & Availability | **Displacement Controller**

Item	Feature						
03.		nt controller					
	Characteris	stic				Nominal size	Spec.
	Control	Default position	Characteristic (schematically shown)	Max. controlled		060 085 115 140 170 215	
00					No displacement controller		
00		Vgmin	0	Vgmin	no dispiacement controller		
<b>F</b> 2		Vgmax	<b>∽</b> _		2-position	00000	
E2			L	Vgmin	(negative control, minimum Vgmin=0)	00000	
E 4		Vgmax	0		Proportional $(\Delta I = 35 \text{ to } 80 \text{ % of } IG \text{ resolution,}$		
E4	Electric		\ <u></u>	Vgmin	negative control, minimum Vgmin = 0)		
	Ele		$ abla^{\circ}$	Vgmax	2-position	00000	
E5		Vgmin			(positive control, minimum Vgmin = 0)	00000	
F.6			/o	Vgmax	Proportional $(\Delta I = 35 \text{ to } 80 \text{ % of } IG \text{ resolution},$		
E6		Vgmin			positive control, minimum Vgmin = 0)		





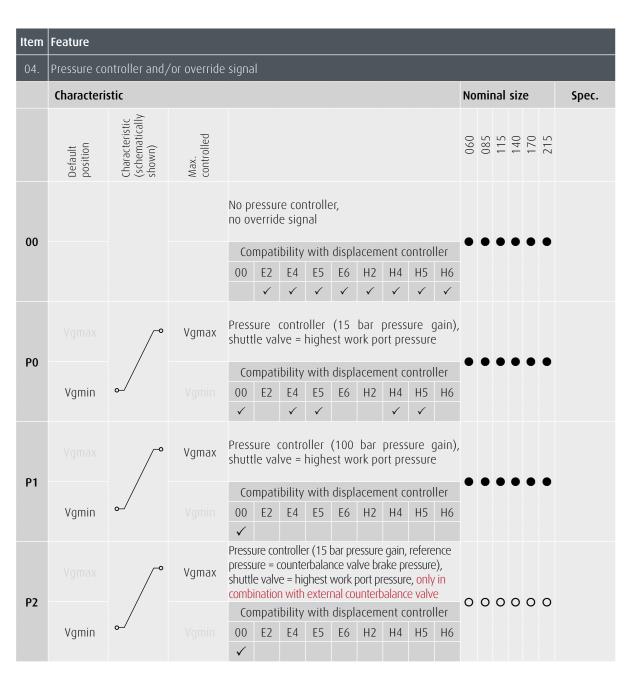




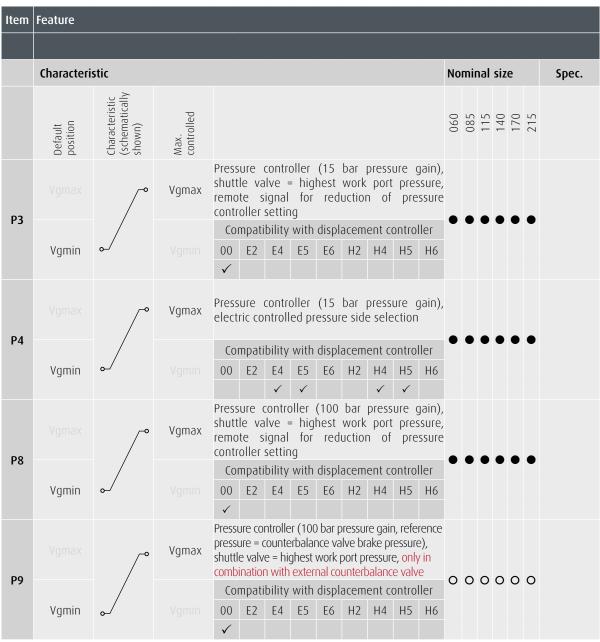


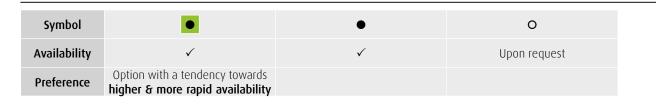


#### Configuration | Modelcode & Availability | Pressure Controller and/or Override Signal











### Configuration | Modelcode & Availability | Electric Connectors for Solenoids



Item	Feature				
05.	Electric connectors for s	olenoids			
	Characteristic			Nominal size	Spec.
				060 085 115 140 170 215	
0			Not applicable	•••••	
D			Deutsch  Please note!  Your selection here is indicative for further config. steps. If you select a sensor at modelcode item 13, the same connector type must be selected there. A mix of different connector types is not possible.	• • • • •	
Α			AMP Junior Timer  Please note!  Your selection here is indicative for further config. steps. If you select a sensor at model-code item 13, the same connector type must be selected there. A mix of different connector types is not possible.	•••••	

Symbol	•	•	0
Availability	✓	✓	Upon request
Preference	Option with a tendency towards higher & more rapid availability		



### Configuration | Modelcode & Availability | Voltage for Solenoids

MODELCODE Voltage for Solenoids
---------------------------------

Item	Feature		
06.	Voltage for solenoids		
	Characteristic		Nominal size Spec.
			060 085 115 170 215
0		Not applicable	• • • • •
1		12 V	• • • • •
2		24 V	• • • • •

Symbol	•	•	0
Availability	✓	✓	Upon request
Preference	Option with a tendency towards higher & more rapid availability		



#### CS

#### CONFIGURATION

Modelcode & Availability

Your choice & Inquiry

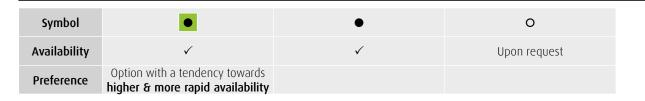
#### Configuration | Modelcode & Availability | Mounting Flange

Item	Feature						
07.	Mounting fla	ange					
	Characteris	stic			Nominal s	size	Spec.
	Standard	Size [mm]- Number of bolts			060 085 115	140 170 215	
C2		127-2	SAE C		•		
<b>C</b> 4	ISO 3019-1	127-4	SAE C		•		
D4	/ SAE J744	152-4	SAE D		•	• •	
<b>E4</b>		165-4	SAE E			•	
M4		125-4			•		
N4	ISO 3019-2 metric	140-4			•		
P4		160-4			•		
R4		180-4				• •	



Item	Feature					
	Characteris	stic	_	_	Nominal size	Spec.
	Standard	Size [mm]- Number of bolts			060 085 115 140 170 215	
<b>S</b> 4	ISO 3019-2 metric	200-4			•	
P2		160-2	Plug-in		•	
Y2	Plug-in, similar to	190-2	Plug-in		•	
<b>S2</b>	ISO 3019-2	200-2	Plug-in		•••	
<b>Z</b> 4		260-4	Plug-in		•	







#### CONFIGURATION

Modelcode & Availability

Your choice & Inquiry

### Configuration | Modelcode & Availability | **Drive Shaft / Companion Flange**

MODELCODE Drive Shaft / ITEM Companion Flange
---

Item	Feature				
08.	Drive shaft ,	/ Companio	n flange		
	Characteris	stic			Nominal size Spec.
	Standard	Number of teeth	Spline pitch/ module	Identification code	060 085 115 140 170 215
<b>S7</b>		14	12/24	32-4	• •
\$8		21	16/32	35-4	•
<b>S</b> 9		17	12/24	38-4	•
V6	ISO 3019-1/ SAE J744	23	16/32	38-4	• •
V7		27	16/32	44-4	• •
T1		13	8/16	44-4	• • •
Т2		15	8/16	50-4	• •
D3	DIN5480	14	2	W30	•
D4	UIIV.246U	16	2	W35	• •

Item	Feature						
	Characteris		_	П		Nominal size	Spec.
	Standard	Number of teeth	Spline pitch/ module	Identification code		060 085 115 140 170	
D5		18	2	W40		• •	
D6	DIN5480	21	2	W45		•••	
D7		24	2	W50		••	
F4	SAE J1946				Companion flange Type A - 120x8xM10	00000	



Symbol	•	•	0
Availability	✓	✓	Upon request
Preference	Option with a tendency towards higher & more rapid availability		



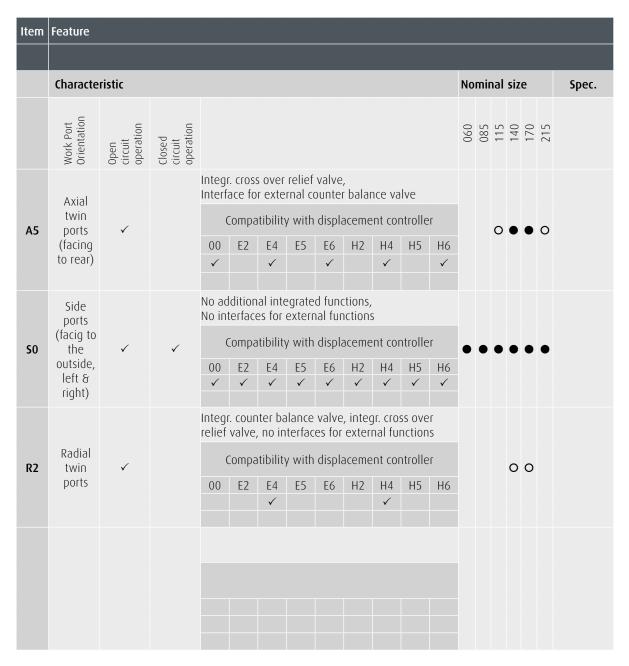
### HY Linde Hydraulics

#### CONFIGURATION Modelcode & Availability Your choice & Inquiry

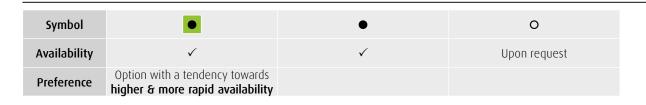
#### Configuration | Modelcode & Availability | Port Plate Housing

Item	Feature																			
09.	Port plate	housina																		
071	Characte												Nom	ninal	size		Spec.			
															0.20		opes.			
	Work Port Orientation	Open circuit operation	Closed circuit operation										090	115	140	170				
						al inte														
Α0		<b>√</b>	✓	(	Compa	atibilit	y with	displa	aceme	ent cor	ntrolle	<u>۲</u>								
AU		·	,	00	E2	E4	E5	E6	H2	H4	Н5	Н6								
				✓	✓	✓	✓	✓	✓	✓	✓	✓								
							Integr. cross over relief valve, No interfaces for external functions													
A2			<b>√</b>	Compatibility with displacement controller								_		• 0						
AZ			•			v	00	E2	E4	E5	E6	H2	H4	Н5	Н6		O			
	Axial twin			✓		✓		✓		✓		✓								
	ports (facing to rear)					cavita es for					to A,									
A3	to reary		<b>√</b>	✓	✓	<b>√</b>	✓			Compatibility & free flow rotation with displacement controller						0	•	• 0		
				00	E2	E4 ✓	E5	E6 ✓	H2	H4 ✓	H5	H6 ✓								
				CW		CCW		CW		CCW		CW								
				Integi		·cavita				flow A	to B,									
				ואס וע		es for ompat					on									
A4		✓		Compatibility & free flow rotation with displacement controller							0	•	• 0							
				00 ✓	E2	E4 ✓	E5	E6 ✓	H2	H4 ✓	H5	H6 ✓								
				CCW		CW		CCW		CW		CCW								











### Configuration | Modelcode & Availability | **Auxiliary Ports**

|--|

Item	Feature						
10.	Auxiliary po						
	Characteri	stic		Nomin	al size		Spec.
				060	115	215	
M			ISO metric, ISO 6149-1	• •	• • •	•	

Symbol	•	•	0
Availability	✓	✓	Upon request
Preference	Option with a tendency towards higher & more rapid availability		



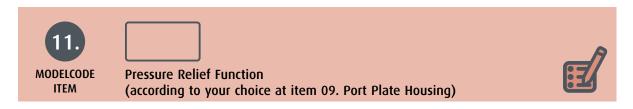
#### CONFIGURATION

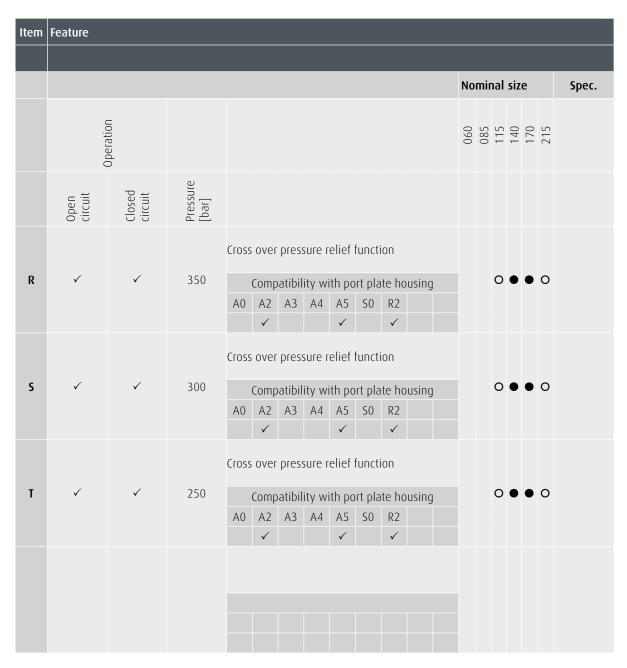
Modelcode & Availability

Your choice & Inquiry

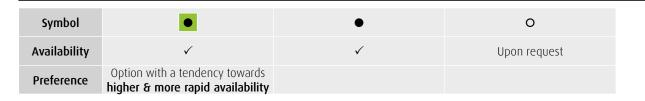
#### Configuration | Modelcode & Availability | Pressure Relief Function

Item	Feature					
11.	Pressure rel	lief function	(according	to your choice at item 09. Port plate h	ousing)	
					Nominal size	Spec.
	; ;				060 085 115 140 170 215	
		<b>.</b>	Jre			
	Open circuit	Closed	Pressure [bar]			
		0 0	4			
				No pressure relief function		
0		✓	-	Compatibility with port plate housing	• • • • •	
				A0 A2 A3 A4 A5 S0 R2		
				✓		
				Cross over pressure relief function		
L		✓	445	Compatibility with port plate housing	0 • • 0	
				A0 A2 A3 A4 A5 S0 R2		
				✓		
				Cross over pressure relief function		
N		<b>√</b>	420		0 • • 0	
IN		v	420	Compatibility with port plate housing  A0 A2 A3 A4 A5 S0 R2		
				\( \lambda \) \		
				Cooss over processes selled for the		
				Cross over pressure relief function		
Q	✓	✓	380	Compatibility with port plate housing	0 • • 0	
				A0 A2 A3 A4 A5 S0 R2		
				V		











#### CONFIGURATION

Modelcode & Availability

Your choice & Inquiry



12.		
MODELCODE ITEM	Flushing Function	

Item	Feature				
12.	Flushing fu				
	Characteri	stic			Nominal size Spec.
					060 085 115 140 170 215
	Operation	Function	Pressure [bar]	Flow [I/min]	
0		No flushing function		-	• • • • •
Α				4	00000
В	Closed circuit			6	• • • • •
D	Closed	Flushing		10	• • • • •
F				15	• • • • •
н				20	• • • • •

Symbol	•	•	0
Availability	✓	✓	Upon request
Preference	Option with a tendency towards higher & more rapid availability		



#### Configuration | Modelcode & Availability | **Speed Sensor**

MODELCODE ITEM	Speed Sensor		
----------------	--------------	--	--

Item	Feature							
13.	Speed sensor							
	Characteris	stic			Nominal size	Spec.		
	Speed sensor	Prepared for speed sensor	Without Speed sensor		060 085 115 140 170 215			
D	✓			Speed sensor; Function: speed and direction of rotation; Connector: Deutsch  Please note! If you've already chosen a connector type at modelcode item 5, please don't mix it with a different type here.	••••			
Α	✓			Speed sensor; Function: speed and direction of rotation; Connector: AMP  Please note! If you've already chosen a connector type at modelcode item 5, please don't mix it with a different type here.	•••••			
V		✓		Option allows the subsequent installation of speed sensors  (Housing already has a mounting for the sensor, the drive shaft is equipped with an incremental ring)	••••			
0			✓	Option does not allow the subsequent installation of speed sensors  (The drive shaft is not equipped with an incremental ring)	••••			

Symbol	•	•	0
Availability	✓	✓	Upon request
Preference	Option with a tendency towards higher & more rapid availability		



#### Configuration | Modelcode & Availability | **Additional Option**

MODELCODE Additional Option	
-----------------------------	--

Item	Feature				
14.	Additional o	ption			
	Characteri	stic		Nominal size	Spec.
				060 085 115 140 170	<u> </u>
00	✓		No additional option	••••	•

Symbol	•	•	0
Availability	✓	✓	Upon request
Preference	Option with a tendency towards higher & more rapid availability		



#### Configuration | Modelcode & Availability | **Seal Material**



Item	Feature				
15.	Seal materia	al			
	Characteris	stic		Nominal size	Spec.
				060 085 115 170 215	
V			FKM (Viton)	• • • • •	

Symbol	•	•	0
Availability	✓	✓	Upon request
Preference	Option with a tendency towards higher & more rapid availability		



### Configuration | Modelcode & Availability | Corrosion Protection or Paint

MODELCODE Corrosion Protection or Paint	
---	--

Item	Feature								
16.	Corrosion p	Corrosion protection or paint							
	Characteri	stic			Nominal size	Spec.			
	Corrosion protection	Primer	Paint		060 085 115 140 170				
R00	Anticorit RPO-3002			Corrosion protection, no primer or paint, 6 month active	•••••				
P01		oxide red, RAL 3009		Primer	•••••				
P04		pure white RAL 9010		Primer	•••••				
P06		traffic grey B RAL 7043		Primer (default primer)	•••••				
V03		grey, RAL 7043	jet black, RAL 9005	2-coat paint	•••••				
V07		grey, RAL 7043	slate grey, RAL 7015	2-coat paint	•••••				

Symbol	•	•	0
Availability	✓	✓	Upon request
Preference	Option with a tendency towards higher & more rapid availability		



### Configuration | Modelcode & Availability | **Vg**max

MODELCODE Vgmax ITEM	
----------------------	--

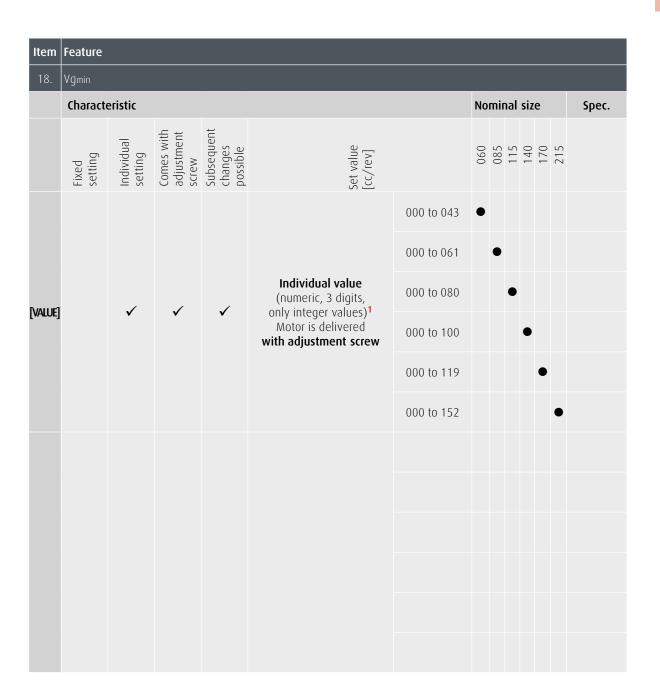
Item	em Feature									
17.	Vgmax									
	Characte	eristic		Nominal size	Spec.					
	Fixed setting	Individual setting	Comes with adjustment screw	Subsequent changes possible	Set value [cc/rev]	Set value [cc/rev]				
						062.0	•			
	<b>√</b>					087.7	•			
[999]					No individual value,  Vgmax is preset	115.3	•			
					at the factory.  Motor is delivered  without adjustment screw	144.1	•			
						170.0	•			
						217.9	•			
						044 to 062	•			
						062 to 087	•			
[VALUE]		<b>√</b>	✓	<b>√</b>	<b>Individual value</b> (numeric, 3 digits, only integer values)	081 to 115	•			
[vator]		Ţ	·	•	Motor is delivered with adjustment screw	101 to 144	•			
						119 to 170	•			
						153 to 217	•			

Symbol	•	•	0
Availability	✓	✓	Upon request
Preference	Option with a tendency towards higher & more rapid availability		



#### Configuration | Modelcode & Availability | **Vg**min

In the following you will find the configuration features including brief information. In order to be able to save your choice without problems, please save this document on a local drive before starting and after completing the configuration. Set your choice via the dropdown menus in the upper area. In order to ensure a feasible configuration, please consider the availability and compatibility of the individual items with the relevant nominal size. In the section [Your choice & inquiry] these items are then listed as a coherent model code. This code serves for further processing of your inquiry.



MODELCODE Vgmin	
-----------------	--

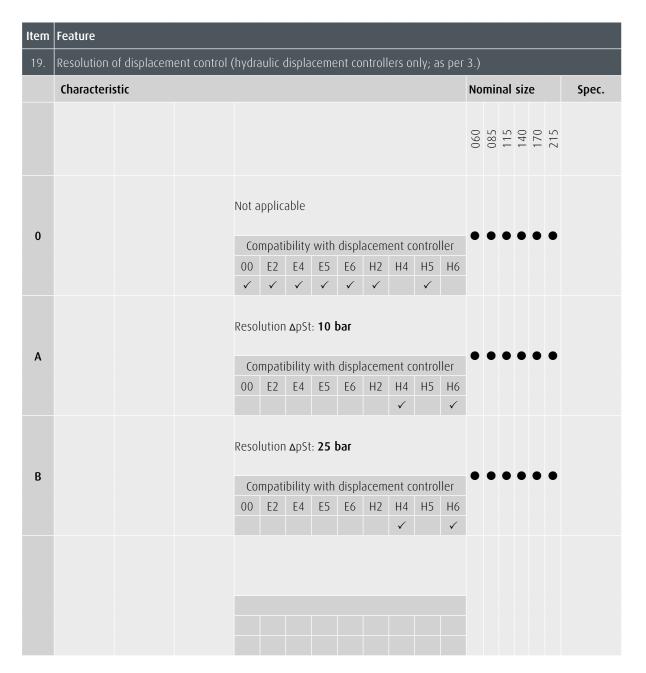
Symbol	•	•	0
Availability	✓	✓	Upon request
Preference	Option with a tendency towards higher & more rapid availability		

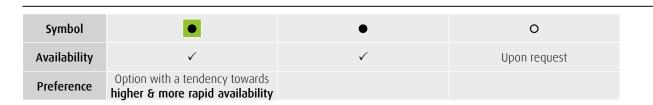
\*1 at values <25% of Vgmax, motor should not be operated in motor mode - always observe max speed limitations



#### Configuration | Modelcode & Availability | Resolution of Displacement Control

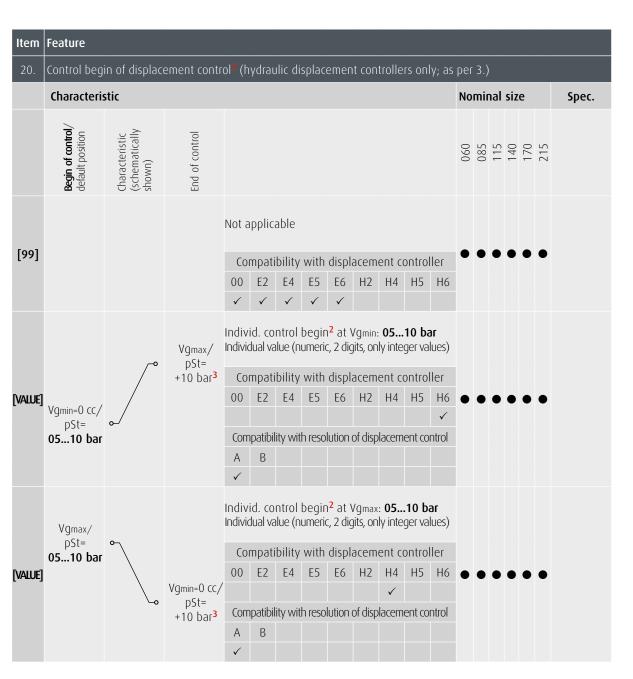




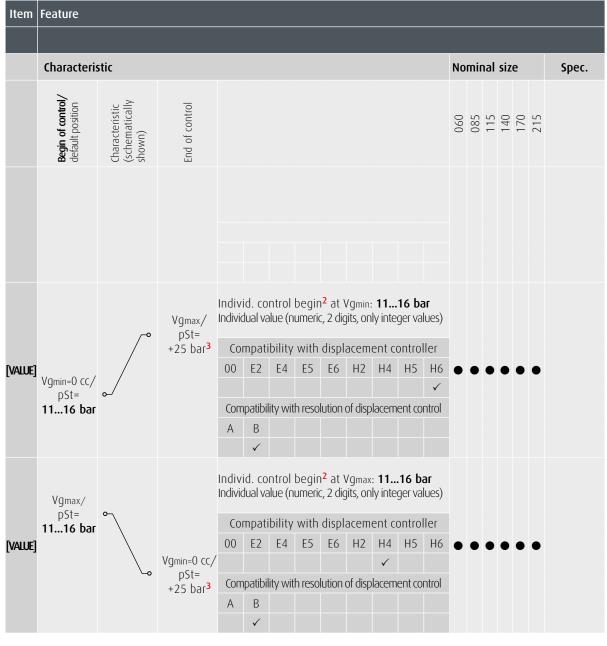


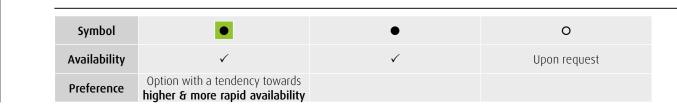


#### Configuration | Modelcode & Availability | **Begin of Displacement Control**









<sup>&</sup>lt;sup>2</sup> The values specified here refer to the characteristics of the already commissioned motor during operation in the application. Settings as part of ongoing commissioning, on the other hand, have to be made according to the test specification and based on Vqmax.

These pressure values represent the level of control pressure at the end of control compared to the respective begin of control default position. For example, considering a resolution of 10 bar and an indiv. begin of 8 bar, the end of control is reached at 18 bar.



### Configuration | Modelcode & Availability | Regulation Begin of Pressure Override

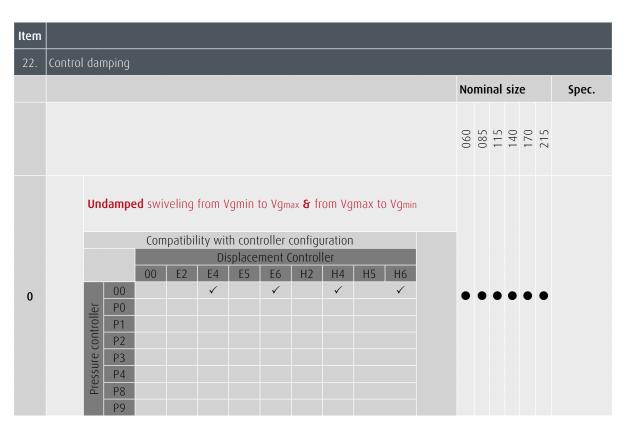
21. MODELCODE	Regulation Begin of Pressure Override (as per 4.)	

Item	n Feature									
21.	Regulation begin of pre	ssure override (as per 4.)								
	Characteristic		Nominal size	Spec.						
		Set value [bar]	060 085 115 140 170 215							
999		Not applicable	• • • • •							
[VALUE]		Range 80 to 400 (numeric, 3 digits, only in 10 bar increments)	• • • • •							

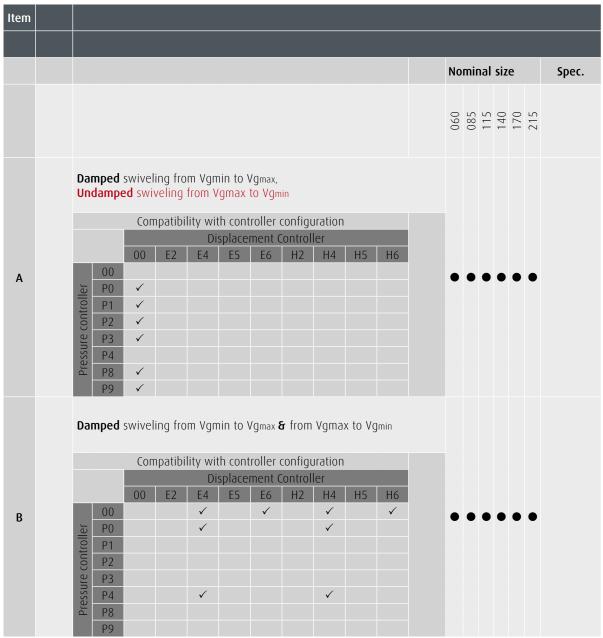
Symbol	•	•	0
Availability	✓	✓	Upon request
Preference	Option with a tendency towards higher & more rapid availability		

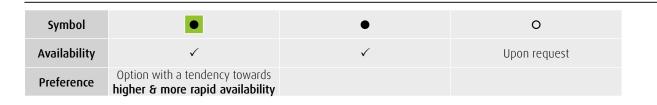


#### Configuration | Modelcode & Availability | Control Damping











### Configuration | Modelcode & Availability | Additional Option Setting

MODELCODE Additional Option Setting ITEM  Additional Option Setting
---

Item	Feature			
23.	Additional option settin	g		
	Characteristic		Nominal size	Spec.
		Set value [bar]	060 085 115 140 170 215	
99		Not applicable	• • • • •	

Symbol	•	•	0
Availability	✓	✓	Upon request
Preference	Option with a tendency towards higher & more rapid availability		



#### Configuration | Modelcode & Availability | Model Code Release

24.	A7	
MODELCODE ITEM	Model Code Release	

Item	Feature Feature										
24.	Model code	e release									
	Characteri	stic									
	Release date										
A7	July 2024										

Symbol	•	•	0
Availability	✓	✓	Upon request
Preference	Option with a tendency towards higher & more rapid availability		



#### Configuration | Modelcode & Availability | Variant Configuration



Item	Feature								
25.	Variant configuration (may require further information)								
	Characteristic								
					60	115	170		
0	Standard execution			(Your desired configuration corresponds to the availabilities and combinations listed in this document.)	• •	• •	• •		
S	Special version			(Your desired configuration does not correspond to the availabilities shown in this document and/or does not correspond to the possible combinations shown.)  Please explain your desired configuration in more detail under "Your choice & inquiry!"	0 0	0 0	000		

Symbol	•	•	0
Availability	✓	✓	Upon request
Preference	Option with a tendency towards higher & more rapid availability		



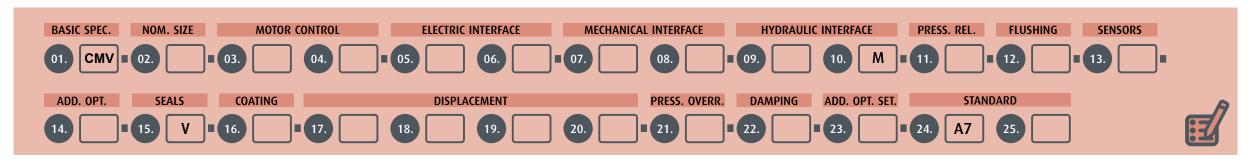
#### CONFIGURATION

Modelcode & Availability

Your choice & Inquir

#### Configuration | Your Choice & Inquiry

In the following you will find the choice of items you've made in the section [Modelcode & Availability]. In addition, you will find form fields for your personal data. In order to be able to save the content of the form fields without problems, please save this data sheet on a local drive before starting and after completing the configuration. Data may be lost when working in a browser-based environment. Please note! The form fields should be filled in as completely as possible to ensure smooth processing of your inquiry. In addition, this form is intended for inquiry purposes and to facilitate communication. However, it does not represent a binding order form.



	Name	
	Customer ID	(if available)
	Postal address	Street
Your		City area/District
company		City/Town/Village
		County
		Postal code
		Country
	Name	
Your contact details	Email	
	Phone	Landline
	FIIONE	Mobile

Your demand	Planned quantity/ year	Number of units
	Type of application	
	Machine weight	t
Your	Power of the drive motor	kW
application (optional)	Constituted and of	Hydraulic circuit
	Functional area of the inquired	Operation
	product	Function
Your notes		
(optional)		

Please note! In order to be able to save the content of the form fields without problems, please save this data sheet before sending.





Please find a local sales partner in your area on our website





Please submit this data sheet filled out to your local sales partner.



You cor off

Your sales partner will come back to you with an offer in a timely manner





#### Linde Hydraulics GmbH & Co. KG

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